

Christopher Perrella

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5334644/publications.pdf>

Version: 2024-02-01

32
papers

368
citations

759055

12
h-index

794469

19
g-index

32
all docs

32
docs citations

32
times ranked

503
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous High-Sensitivity and High-Bandwidth Atomic Magnetometer. Physical Review Applied, 2020, 14, .	1.5	33
2	High-efficiency cross-phase modulation in a gas-filled waveguide. Physical Review A, 2013, 88, .	1.0	31
3	High-resolution two-photon spectroscopy of rubidium within a confined geometry. Physical Review A, 2013, 87, .	1.0	31
4	Direct core structuring of microstructured optical fibers using focused ion beam milling. Optics Express, 2016, 24, 378.	1.7	25
5	Laser-Based Metastable Krypton Generation. Physical Review Letters, 2018, 121, 093201.	2.9	21
6	Wide-bandwidth atomic magnetometry via instantaneous-phase retrieval. Physical Review Research, 2020, 2, .	1.3	21
7	Frequency evaluation of collimated blue light generated by wave mixing in Rb vapour. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 245503.	0.6	20
8	High-resolution optical spectroscopy in a hollow-core photonic crystal fiber. Physical Review A, 2012, 85, .	1.0	18
9	Real-Time Dynamic Atomic Spectroscopy Using Electro-Optic Frequency Combs. Physical Review Applied, 2016, 6, .	1.5	17
10	Ultrastable Optical Magnetometry. Physical Review Applied, 2019, 11, .	1.5	17
11	Dichroic Two-Photon Rubidium Frequency Standard. Physical Review Applied, 2019, 12, .	1.5	16
12	High-efficiency cold-atom transport into a waveguide trap. Physical Review Applied, 2018, 10, .	1.5	14
13	Two-color rubidium fiber frequency standard. Optics Letters, 2013, 38, 2122.	1.7	13
14	Linewidth of collimated wavelength-converted emission in Rb vapour. Applied Physics B: Lasers and Optics, 2014, 117, 203-209.	1.1	12
15	Number-Density Measurements of $^{13}\text{C}^{16}\text{O}_2$ in Real Time with an Optical Frequency Comb for High Accuracy and Precision. Physical Review Applied, 2018, 9, .	1.5	12
16	Simultaneous Observation of Nonlinear Magneto-Optical Rotation in the Temporal and Spectral Domains with an Electro-Optic Frequency Comb. Physical Review Applied, 2018, 10, .	1.5	11
17	Ultrahigh-Resolution Direct-Frequency-Comb Spectrometer. Physical Review Applied, 2020, 14, .	1.5	9
18	Demonstration of an Exposed-Core Fiber Platform for Two-Photon Rubidium Spectroscopy. Physical Review Applied, 2015, 4, .	1.5	8

#	ARTICLE	IF	CITATIONS
19	Dual-Color Magic-Wavelength Trap for Suppression of Light Shifts in Atoms. Physical Review Applied, 2019, 11, .	1.5	8
20	Engineering Photon-Photon Interactions within Rubidium-Filled Waveguides. Physical Review Applied, 2018, 9, .	1.5	7
21	Accurate Optical Number Density Measurement of $^{12}\text{CO}_2$ and $^{13}\text{CO}_2$	1.5	5
22	Phase-sensitive imaging of cold atoms at the shot-noise limit. Applied Physics Letters, 2013, 102, .	1.5	4
23	Spectral Broadening of a Single-Photon Transition in the Evanescent Field of an Exposed-Core Fiber. Physical Review Applied, 2019, 11, .	1.5	3
24	Using an injection-locked VCSEL to produce Fourier-transform-limited optical pulses. Optics Letters, 2021, 46, 412.	1.7	3
25	High-transmission fiber ring resonator for spectral filtering of master oscillator power amplifiers. OSA Continuum, 2019, 2, 2487.	1.8	3
26	Bidirectional microwave and optical signal dissemination. Optics Letters, 2016, 41, 1014.	1.7	2
27	Orthogonalizing the control of frequency combs for optical clockworks. Optics Letters, 2021, 46, 4972.	1.7	2
28	Interferometric selection of frequency comb modes. Applied Physics B: Lasers and Optics, 2013, 113, 291-297.	1.1	1
29	Coherent radio-frequency detection for narrowband direct comb spectroscopy. Optics Express, 2016, 24, 4088.	1.7	1
30	High resolution optical spectroscopy in hollow core fibre for use in atomic clocks. , 2011, , .		0
31	Hollow-core fibre frequency standard. , 2014, , .		0
32	Anomalous two-photon spectral features in warm rubidium vapor. Physical Review A, 2016, 94, .	1.0	0